

REVISION HISTORY					
REV	DATE	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED
A	6/11/19	INITIAL RELEASE	ZA	LS	ZA
B	7/29/19	-20 & -21 ASSEMBLIES NOW -1 & -2 RESPECTIVELY, PREVIOUSLY INCORRECTLY OVERLAPPED WITH WIRE P/N'S; -2 ASSY: ADDED ITEMS 26 & 27 SPLICE AND WIRE, ADDED 18" OF EXPANDO LOOM; -26 WIRE ADDED TO DOCUMENT	ZA	LS	ZA
C	10/14/21	-21: ADDED ALT 12AWG SPLICE P/N, REMOVED ITEM 25 NOW PROVIDED IN TOP LEVEL ASSY	ZA	DT	ZA

Paravion® Technology Inc.		TITLE ELECTRICAL SYSTEM		DRAWING NUMBER 505AC-6103	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DRAWN BY ZA	CHK'D BY	APRVD. BY	DATE 7/30/18
THREADS: INTERNAL CLASS 2B EXTERNAL CLASS 2A		DO NOT SCALE DRAWING © 2021 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		REV C	ECO
3RD ANGLE PROJECTION		SHEET 1 OF 4			

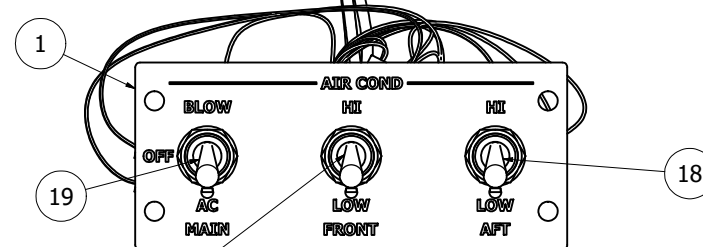
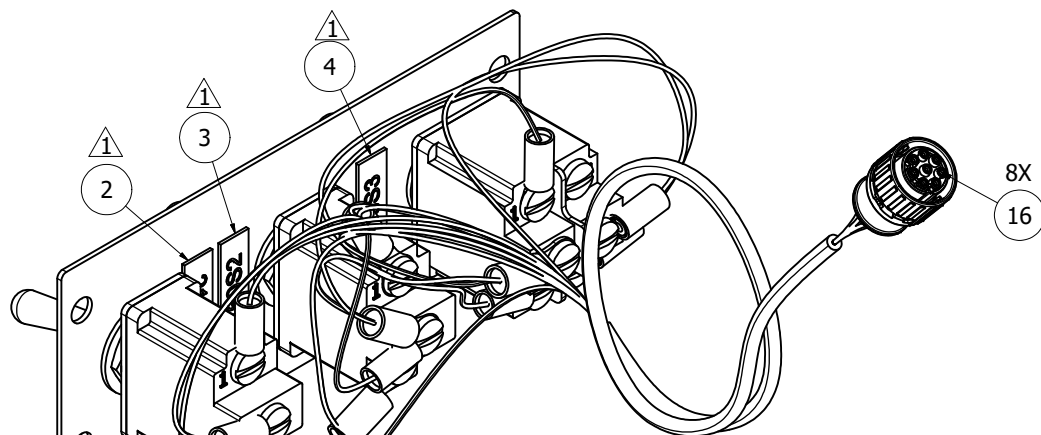
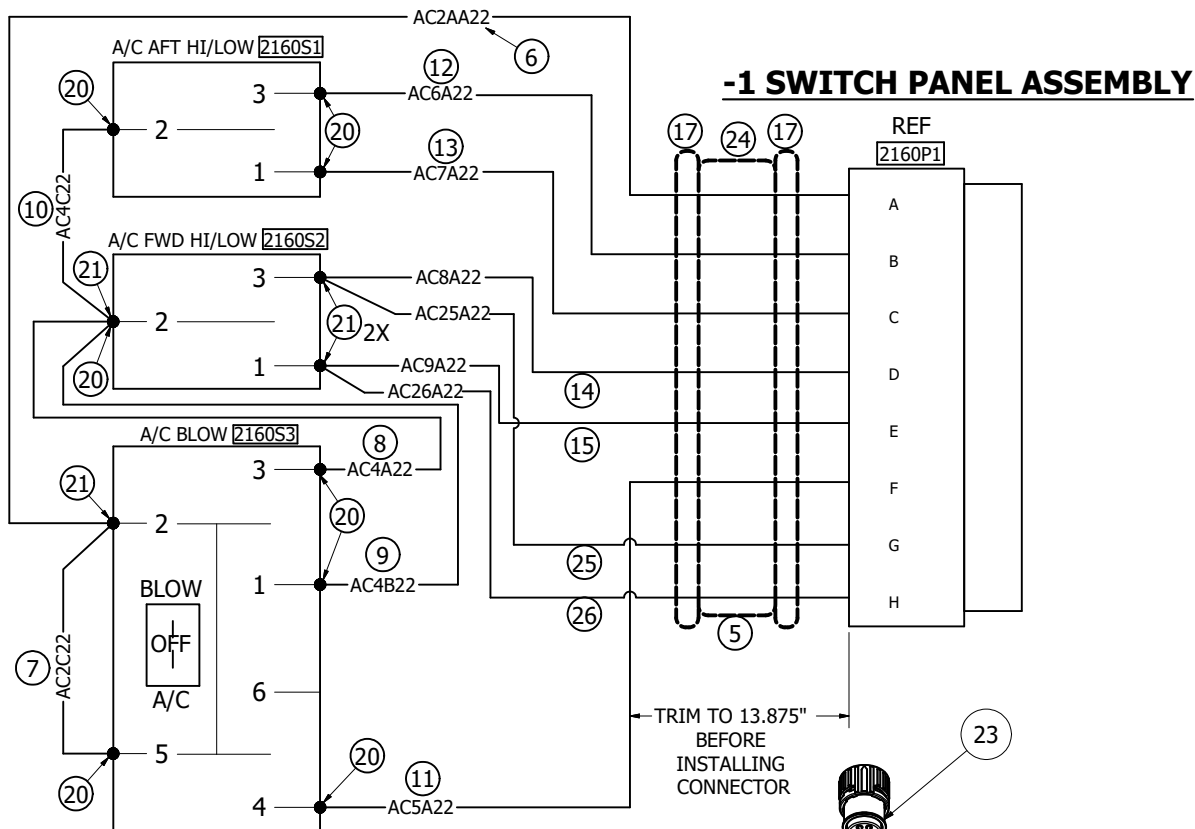
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PROTO

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-6100-1	SWITCH PANEL
2	1	505AC-6120-34	2160S1 DECAL
3	1	505AC-6120-35	2160S2 DECAL
4	1	505AC-6120-36	2160S3 DECAL
5	1	505AC-6120-43	2160P1 IDENT SHRINK TUBING
6	1	505AC-6100-40	WIRE, AC2AA22
7	1	505AC-6100-13	WIRE, AC2C22
8	1	505AC-6100-18	WIRE, AC4A22
9	1	505AC-6100-19	WIRE, AC4B22
10	1	505AC-6100-20	WIRE, AC4C22
11	1	505AC-6100-21	WIRE, AC5A22
12	1	505AC-6100-23	WIRE, AC6A22
13	1	505AC-6100-25	WIRE, AC7A22
14	1	505AC-6100-27	WIRE, AC8A22
15	1	505AC-6100-29	WIRE, AC9A22
16	8	M39029/57-354	CONTACT SOCKET
17	2in	M23053/5-107-0	HEAT SHRINK
18	2	MS24523-23	SWITCH
19	1	MS24524-21	SWITCH
20	8	MS25036-101	TERMINAL
21	4	MS25036-106	TERMINAL LUG
23	1	SJS830100	PLUG
24	11in	WMEXO-250BK	EXPANDO LOOM 1/4"
25	1	505AC-6103-11	WIRE, AC25A22
26	1	505AC-6103-14	WIRE, AC26A22

NOTES:

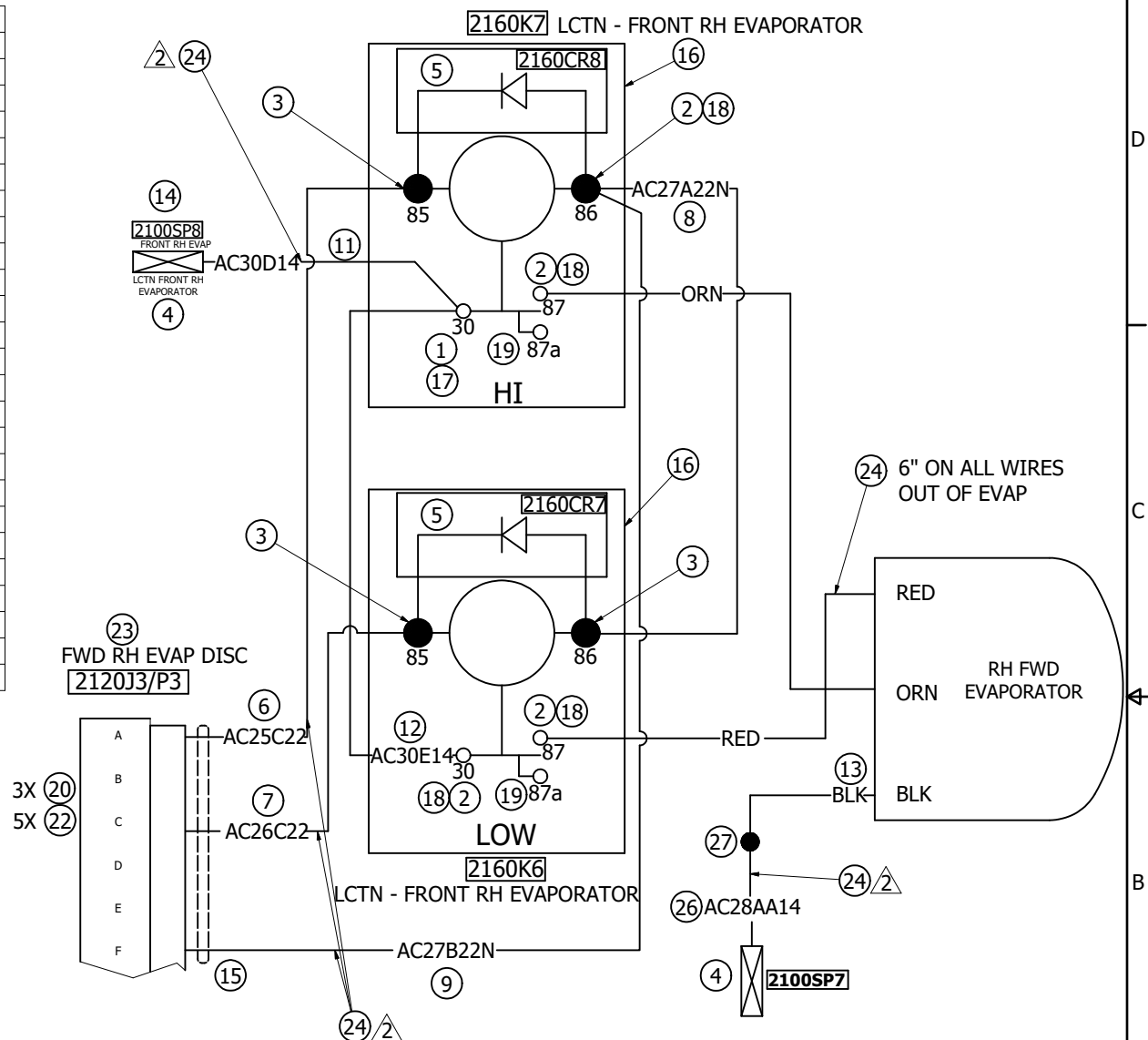
1. INSTALL DECAL IN ACCORDANCE WITH BHT-ALL-SPM, CHAPTER 8, PARAGRAPH §8-24.
2. APPLY LACING CORD PER BHT-ELEC-SPM CHAP 6, 6-22 THRU 6-29 AS APPLICABLE.
3. IDENTIFY EACH CONNECTOR WITH APPROPRIATE REFERENCE DESCRIPTION.



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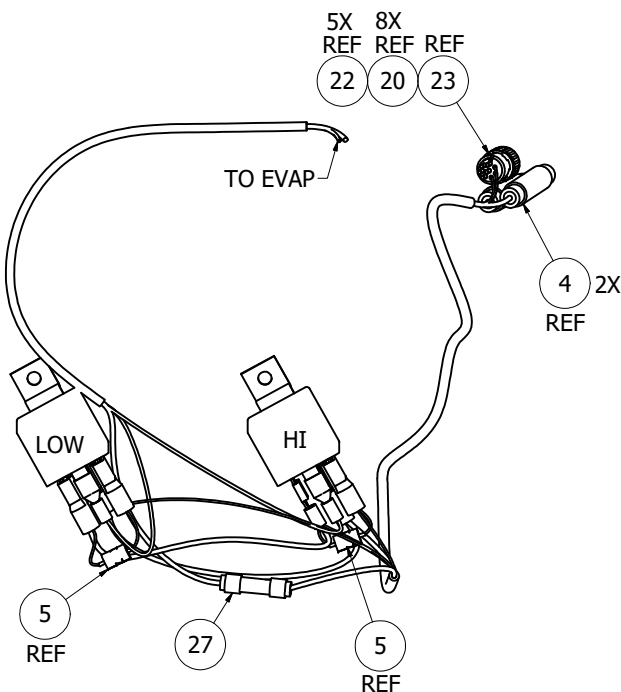
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	10RC-250F	TERMINAL
2	4	14RB-250F	TERMINAL
3	3	18RA-2577	CONNECTOR (ALT: KTN50)
4	2	130-065-12-1	SPLICE 12AWG (ALT: CTL-12-513)
5	2	407AC-6118-1	DIODE ASSEMBLY
6	1	505AC-6103-13	WIRE, AC25C22
7	1	505AC-6103-16	WIRE, AC26C22
8	1	505AC-6103-17	WIRE, AC27A22N
9	1	505AC-6103-18	WIRE, AC27B22N
11	1	505AC-6103-24	WIRE, AC30D14
12	1	505AC-6103-25	WIRE, AC30E14
13	1	505AC-6123-15	2100SP7 IDENT SHRINK TUBING
14	1	505AC-6123-16	2100SP8 IDENT SHRINK TUBING
15	1	505AC-6123-19	2120P3 IDENT SHRINK TUBING
16	2	ES59188-1	RELAY
17	1.25"	M23053/5-105-0	HEAT SHRINK
18	8.5"	M23053/5-106-0	HEAT SHRINK
19	3.25"	M23053/5-107-0	HEAT SHRINK
20	3	M39029/57-354	CONTACT SOCKET
22	5	MS27488-22-1	PLUG
23	1	SJS830100	PLUG
24	24"	WMEX0.375BK	EXPANDO LOOM
26	1	505AC-6103-26	WIRE, AC28AA14
27	1	M7928/5-4	SPLICE (ALT: M1824/1-3)



## -2 RH FWD EVAPORATOR WIRING ASSEMBLY

### NOTES:

- COVER RELAY TERMINALS WITH M23053/5-105-0 HEAT SHRINK
- WRAP ALL WIRES TO PLUG AND SPLICES IN 18" EXPANDO LOOM




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3RD ANGLE PROJECTION		SHEET 3 OF 4			

- NOTES:
1. WIRE MARKING SPACING TO BE 15 INCHES MAXIMUM PER AC 43.13-1B PARA. 11-208.
  2. IT IS ACCEPTABLE TO USE WIRE PER DLA LAND AND MARITIME DRAWING NO. 04041, IN EQUIVALENT GAUGE, TO REPLACE MIL-W-22759/41 WIRE.  
EXAMPLE: MIL-W-22759/41-XX-9 IS REPLACED BY 04041-XX-9.

505AC-6103 WIRES			
DASH NO.	WIRE SPECIFICATION	LENGTH (IN)	WIRE MARKING
-11	MIL-W-22759/41-22-9	16	AC25A22
-12	MIL-W-22759/41-22-9	44	AC25B22
-13	MIL-W-22759/41-22-9	24	AC25C22
-14	MIL-W-22759/41-22-9	13.5	AC26A22
-15	MIL-W-22759/41-22-9	44	AC26B22
-16	MIL-W-22759/41-22-9	24	AC26C22
-17	MIL-W-22759/41-22-9	9.5	AC27A22N
-18	MIL-W-22759/41-22-9	24	AC27B22N
-19	MIL-W-22759/41-22-9	35	AC27C22N
-20	MIL-W-22759/41-14-9	24	AC28A14N
-21	MIL-W-22759/41-14-9	16.5	AC30A14
-22	MIL-W-22759/41-14-9	57.5	AC30B14
-23	MIL-W-22759/41-14-9	172	AC30C14
-24	MIL-W-22759/41-14-9	24	AC30D14
-25	MIL-W-22759/41-14-9	24	AC30E14
-26	MIL-W-22759/41-14-9	18	AC28AA14

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